

CELANYL[®] A3 H GF25 BK 9005/P CELANYL®

General purpose grade for any technical use. Easy flow.

Product information Resin Identification	(PA66+PA6)-GF2	25	ISO 1043
Part Marking Code Continuous Service Temperature	>(PA66+PA6)-GF 130	⁼ 25< °C	ISO 11469 IEC 60216-1
Rheological properties			
Moulding shrinkage range, parallel Moulding shrinkage range, normal	0.4 - 0.7 0.7 - 1		ISO 294-4, 2577 ISO 294-4, 2577
Typical mechanical properties	dry/cond.		
Tensile modulus Tensile stress at break, 5mm/min Tensile strain at break, 5mm/min Flexural modulus Flexural strength Charpy impact strength, 23°C Charpy notched impact strength, 23°C Izod notched impact strength, 23°C Izod notched impact strength, -30°C Ball indentation hardness, H 961/30 Poisson's ratio [C]: Calculated Thermal properties Melting temperature, 10°C/min	7900/- 140/- 3.5/- 8200/- 230/- 50/- 6.5/- 7.5/- 6.0/- 170/- 0.34/- ^[C] dry/cond. 260/*	MPa MPa % MPa kJ/m ² kJ/m ² kJ/m ² kJ/m ² MPa	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 178 ISO 179/1eU ISO 179/1eA ISO 180/1A ISO 180/1A ISO 2039-1
Temperature of deflection under load, 1.8 MPa Temperature of deflection under load, 0.45 MPa	235/* 250/*	°C °C	ISO 75-1/-2 ISO 75-1/-2
Flammability	dry/cond.		
Burning Behav. at 1.5mm nom. thickn.	HB/*	class	IEC 60695-11-10
Physical/Other properties	dry/cond.		
Humidity absorption, 2mm Water absorption, 2mm Density	2/* 7.2/* 1310/-	% % kg/m³	Sim. to ISO 62 Sim. to ISO 62 ISO 1183
Injection Drying Recommended Drying Temperature Drying Time, Dehumidified Dryer Processing Moisture Content Melt Temperature Optimum Min. melt temperature Max. melt temperature	2 - 4 ≤0.15 295 285	°C h	

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Screw tangential speed	≤0.2	m/s
Mold Temperature Optimum	80	°C
Min. mould temperature	50	°C
Max. mould temperature	100	°C

Characteristics

Processing	Injection Moulding
Delivery form	Granules
Special characteristics	Heat stabilised or stable to heat, High Flow

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